

All eligible math educators when applying for participation in the NMPDS **must complete** the following criteria checklist.

- Teacher has a teaching assignment that is outside of his/her endorsed area (according to Rule 10, Appendix D Clearing Endorsements). (Public and nonpublic teachers)
- Teacher has a teaching assignment for which he/she has not been able to become NCLB qualified through the HOUSSE process. (Public teachers only)
- Teacher is a special education teacher who is teaching mathematics content to students with disabilities AND assigning grades for those students. (Public teachers only)
- Teacher is teaching in a SCHOOL BUILDING or DISTRICT (Title I or non-Title I), which had 25% or more of students performing below proficient level in locally, reported mathematics assessments. (Public schools only)
- Teacher is teaching in a SCHOOL BUILDING (Title I or non-Title I), which did not meet Annual Yearly Progress (AYP) for Mathematics or School Accountability requirements for Mathematics in the previous or current year and/or is identified as being in need of improvement because of Mathematics performance. (Public schools only).
- Teaching is teaching in a DISTRICT (Title I or non-Title I), which did not meet AYP for Mathematics or School Accountability requirements for Mathematics in the previous or current year and/or is identified as being in need of improvement because of Mathematics performance. (Public districts only)
- Teacher is teaching in a SCHOOL BUILDING identified by NDE as a Persistently Lowest-Achieving School. (Public Schools only)
- Teacher is teaching in a SCHOOL BUILDING, which had 40% or more of the students qualify for free and reduced cost meals per 2008-09 data (Public and nonpublic schools)
- Teacher is teaching in a DISTRICT, which had 40% or more of the students qualify for free and reduced cost meals per 2008-09 data. (Public districts and nonpublic if within geographic boundaries of a qualifying public district)
- Other information, which would support a request for priority consideration for the teacher to be selected. For example: information about performance on local mathematics assessments, implications of multiple teacher preparations, teaching in a rural district, or consequences of frequent staff turnover. (Public and nonpublic districts and/or school)

Algebraic Thinking: From Computation to Algebra

This professional development series will:

- Explore Mathematical Structure of the number system and how it operates (Algebraic Thinking) through finding patterns, creating multiple representations, and making generalizations.
- Provide lessons and activities which support algebraic thinking from concrete to more abstract.
- Provide instructional strategies for teachers to assist **ALL** students in meeting the Nebraska State Mathematics Standards

Who May Apply?

- 5th-12th grade Mathematics Teachers
- Special Education/Title I Teachers
- Priority points will be given to those not endorsed in mathematics and/or whose students are struggling with achieving the mathematics standards

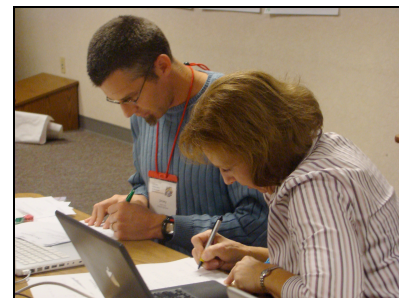


NEBRASKA MATHEMATICS PROFESSIONAL DEVELOPMENT SERIES

CAROL JESSEN,
NMPDS PROJECT DIRECTOR
JALENA SLACK,
NMPDS PROJECT COORDINATOR

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Nebraska Mathematics Professional Development Series 2010-11



Algebraic Thinking: From Computation to Algebra

Carol Jessen,
NMPDS Project Director
JaLena Slack,
NMPDS Project Coordinator
Deb Romanek,
NDE State Math Director

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Participants will be organized into Professional Learning Communities (PLC's) of four to six members.

In addition, all participants will use the learning management system Angel to communicate with other participants and to electronically share their ideas, files, and learnings.



Institute Benefits:

- Meets the NSDC Standards for quality Professional Development
- Mathematics teaching resources
- Daily participant stipend of \$140 per day before payroll tax deduction (Summer and weekends only)
- MyeLearning account for 1 year
- Lodging for those located at least 75 miles from the training site
- Optional Graduate Credit available (3 credit hours)

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Professional Development Schedule All Sessions meet from 9 AM-3 PM

Participants are expected to attend all sessions for their region with the NATM Annual Conference being optional, yet strongly encouraged.

Date/Site	North Platte	Kearney	Norfolk	Omaha
September Session I	Sun., Sept. 19th - Holiday Inn, Kearney, NE Registration at 10:30 AM Mon., Sept. 20th - Holiday Inn, Kearney, NE NATM Annual Conference - Details TBA - Day-Long Event			
October Session II	Thurs., Oct. 14	Wed., Oct. 13	Tues., Oct. 12	Mon., Oct. 11
November Session III	Mon., Nov. 8	Tues., Nov. 9	Wed., Nov. 10	Thurs., Nov. 11
January Session IV	Tues., Jan. 11	Wed., Jan. 12	Thurs., Jan. 13	Fri., Jan. 14
February Session V	Tues., Feb. 8	Wed., Feb. 9	Thurs., Feb. 10	Fri., Feb. 11

North Platte Location: ESU 16, 1221 West 17th Street

Kearney Location: ESU 10, 76 Plaza Blvd.

Norfolk Location: Lifelong Learning Center, 801 E Benjamin

Omaha Location: ESU 3, 6949 S 110th St.

**Funded through the Mathematics Science Partnership
Grants under the NCLB Act of 2001**

Algebraic Thinking 2010-2011 Application Form

Please complete both forms for EACH teacher nominated to participate in the NMPDS Project. **Incomplete applications will not be accepted.** The application form must be submitted via mail, email, or fax.

Please print or type information.

Teacher Name _____

District _____ ESU# _____

School Building _____

School Address _____

City - Zip _____

Email _____

School Phone _____

Summer Address _____

City - Zip _____

Summer Phone _____

Subject Area
Assignment _____

Grade Level(s) of Instruction - Circle ALL that Apply:
K 1 2 3 4 5 6 7 8 9 10 11 12

Teaching Certificate Endorsement:
Subject Area(s) _____

Level(s) of Instruction for Which You Are Endorsed
(Circle all that apply):
Elementary K-6/8 Middle Grades 4-9 Secondary 7-12

Are you a first-year teacher? Yes No

Circle Preferred Site:
North Platte Kearney Norfolk Omaha

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